



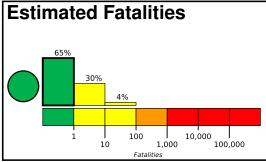


PAGER Version 5

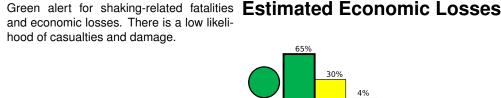
Created: 3 weeks, 5 days after earthquake

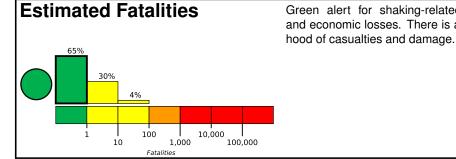
M 5.4, 98 km SE of Sinabang, Indonesia

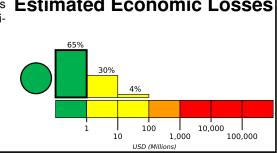
Origin Time: 2021-07-10 02:41:09 UTC (Sat 09:41:09 local) Location: 1.8228° N 96.9785° E Depth: 17.4 km



and economic losses. There is a low likeli-







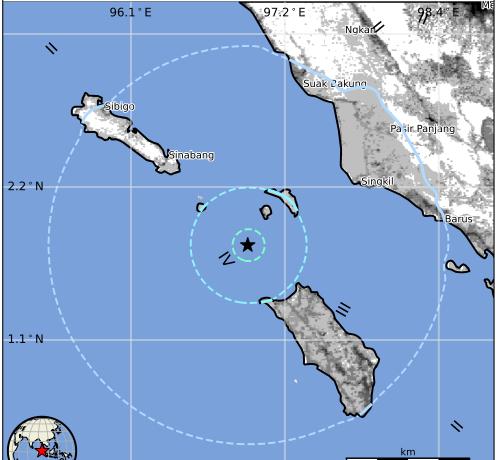
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	6,635k	41k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan **Structures**



Historical Earthquakes

construction.

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)	- 3	MMI(#)	Deaths
2006-12-17	342	5.8	VII(72k)	7
1990-11-15	239	6.7	VIII(28k)	1
2005-03-28	26	8.6	IX(14k)	1k
_				

Overall, the population in this region resides in struc-

tures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are unreinforced brick with concrete floor and precast concrete frame with wall

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

	· ····································					
MMI	City	Population				
Ш	Pulo Batal	<1k				
Ш	Lotu	<1k				
Ш	Labuhan Bajau	<1k				
Ш	Gunungsitoli	<1k				
Ш	Sinabang	15k				
Ш	Singkil	47k				
II	Kabanjahe	57k				
II	Berastagi	45k				
II	Binjai	229k				
II	Sunggal	158k				
II	Medan	1,751k				

bold cities appear on map.

100

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.